

CLAIMS

1. In a lithium-secondary-battery negative-electrode component material in which a metallic lithium film is formed atop a substrate and onto that an
5 inorganic solid electrolytic film is formed, the lithium-secondary-battery negative-electrode component material being characterized in that the substrate is an electrical insulator.

2. In a lithium-secondary-battery negative-electrode component material in which a metallic lithium film is formed over a metal base material and onto
10 the metallic lithium film an inorganic solid electrolytic film is formed, the lithium-secondary-battery negative-electrode component material being characterized in that an electrically insulating layer is provided at the interface between the metal base material and the metallic lithium film.

3. A lithium-secondary-battery negative-electrode component material as
15 set forth in claim 1 or 2, characterized in that the electrical insulator is an organic high-polymer material.

4. A lithium-secondary-battery negative-electrode component material as set forth in claim 2, characterized in that the base material is any from among copper, iron, stainless steel, nickel or aluminum.

20 5. A lithium-secondary-battery negative-electrode component material as set forth in claim 3, characterized in that the organic high-polymer material is either polyethylene or polypropylene.

6. A lithium-secondary-battery negative-electrode component material as

set forth in claim 3, characterized in that the organic high-polymer material is any from among polyimides, polyamides, polyesters, polyethers, polyurethanes, or polycarbonates.

7. A lithium secondary battery configured utilizing a negative-electrode
5 component material as set forth in claim 1 or claim 2.